TEL/AML1,DY Translocation FISH Probe

Catalog # FA0643 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
Origin	Human
Source	Genomic DNA
Reactivity	Human
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Supplied Products	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — RUNX1

Entrez GeneID	861
Gene Name	RUNX1
Gene Alias	AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1, PEBP2aB

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Gene Description	runt-related transcription factor 1
Omim ID	151385 180300 601399 601626
Gene Ontology	Hyperlink
Gene Summary	Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	AML1-EVI-1 fusion protein|acute myeloid leukemia 1|aml1 oncogene|core-binding factor, runt domain, alpha subunit 2

Gene Info — ETV6

Entrez GeneID	2120
Gene Name	ETV6
Gene Alias	TEL, TEL/ABL
Gene Description	ets variant 6
Omim ID	131440 600618 601626
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an ETS family transcription factor. The product of this gene contains two functional domains: a N-terminal pointed (PNT) domain that is involved in protein-protein interactions with itself and other proteins, and a C-terminal DNA-binding domain. Gene knockout studies in mice suggest that it is required for hematopoiesis and maintenance of the developing vascular network. This gene is known to be involved in a large number of chromosomal rearrangements associated with leukemia and congenital fibrosarcoma. [provided by RefSeq
Other Designations	TEL oncogene|TEL1 oncogene|ets variant gene 6 (TEL oncogene)

Pathway

- Acute myeloid leukemia
- Chronic myeloid leukemia
- Dorso-ventral axis formation

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- Pathways in cancer

Disease

- Arthritis
- Asthma
- Blast Crisis
- Cardiovascular Diseases
- Cardiovascular Diseases
- Colitis
- Crohn Disease
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Edema
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Immune System Diseases
- Leukemia
- Leukemia
- Liver Cirrhosis
- Lupus Erythematosus
- Multiple System Atrophy
- Myelodysplastic Syndromes
- Myelodysplastic Syndromes

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- Pancreatic cancer
- Pancreatic Neoplasms
- Parkinson disease
- Psoriasis
- Schizophrenia
- Tobacco Use Disorder
- Tobacco Use Disorder

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